

TOTAL PERFORMANCE
VAN'S AIRCRAFT

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Service Letters and Bulletins: www.vansaircraft.com/public/service.htm

NOTIFICATION 15-11-17

Date Released: Nov 17, 2015
Date Effective: Nov 17, 2015
Subject: Spot Trace and Power Cable installation
Affected Models: RV-12
Required Action: N/A
Time of Compliance: N/A
Supersedes Notice: N/A

Labor Required / SLSA Warranty Allowance: N/A

Level of Certification: E-LSA: Owner, LSA Repairman Inspection
S-LSA: LSA Repairman Maintenance, A&P

Synopsis:

This notification provides instructions for installation of a Spot Trace tracking system.

Method of Compliance:

Step 1: Place the Spot mounting bracket just forward of center rivet in seat back brace as shown in Figure 1.

Step 2: Match-Drill #30 the 4 holes through the bracket into seat back brace. Deburr.

Step 3: Rivet the Spot mounting bracket in place using four AD-41-ABS rivets. See Figure 1.

Step 4: Attach the Waterproof DC Power Cable to the Spot Trace then snap the assembly into the bracket with the cable facing aft.

Thread the power cable through the lightening hole in seat back brace directly below the Spot installation.

Pull the cable through the seat back brace to right side of aircraft then behind the ELT as shown in Figure 2 and Figure 3.

Install a tie-wrap around the upper portion of the wires as shown in Figure 3.

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Step 5: Locate then cut the WH-P325 WHT/RED ELT power wire midway between ELT and wire run conduit then strip both ends.

Strip the RED wire coming from the power cable.

Twist then crimp the RED wires and one of the WHT/RED ELT power wires into one end of an ES 320559 splice connector.

Crimp the remaining WHT/RED ELT power wire into the other end of the splice. See Figure 4.

Step 6: Remove the wings.

Step 7: Cut the BLK wire coming from the power

cable at a length that will reach the location shown in Figure 5. Strip the end of the wire.

Crimp a ES 36154 ring terminal onto the BLK wire coming from the power cable.

Fasten the ring terminal under the cushioned clamp nut that holds the wire run conduit as shown in Figure 5.

Add two additional tie-wraps as shown in Figure 6 to the lower portion of the wire bundle.

Step 8: Install the wings.

Step 9: Add a small amount of RTV or silicone to the power cable as it passes through the lightning hole in the seat back brace to prevent the wire from chaffing.

Step 10: Make a logbook entry indicating compliance with Notification 15-11-17.

Step 11: Place a copy of this notification in the back of the maintenance manual for your aircraft.

Note the addition of this notification to the bottom of the Maintenance Manual table of contents.



FIGURE 1: Spot mounting bracket installation



FIGURE 2: Spot power cable routing

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FIGURE 3: Upper tie-wrap

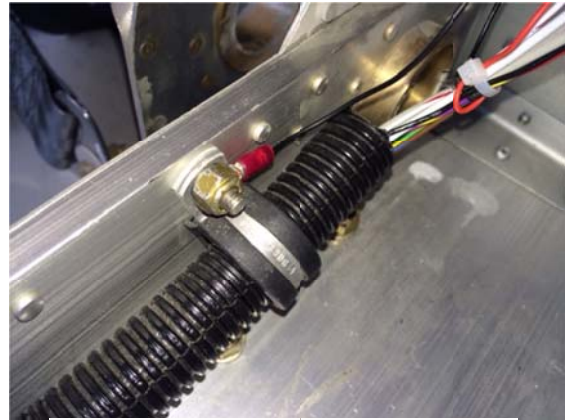


FIGURE 5: Ground wire connection



FIGURE 4: Crimping wires into the splice connector



FIGURE 6: Finished Installation.

PART NUMBER

<u>Qty</u>	<u>Part</u>
1	Spot Trace
1	Spot Trace Waterproof DC Power Cable
1	ES 36154
1	ES 320559
4	AD-41-ABS
3	PLASTIC TIE-WRAP 4"